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BruXZir® Solid Zirconia Crowns & Bridges

"More brawn than beauty"

Featured Items:

Scientific Validation:
Superior Physical
Properties of BruXZir

Check out our growing
list of Authorized
BruXZir Laboratories

OSCH AWARD

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EXHIBIT 13
WIT: Shuck
DATE: 9-25-12
L. Moskowitz, CSR 10816, RPR

EXHIBIT 9
-250-

BruxZir® Blog

Welcome to the BruxZir Blog

The BruxZir Blog is the source for the latest news about the procedures, techniques and technology related to BruxZir Solid Zirconia. Join in the conversation!

BruxZir Links

[BruxZir Blog Home](#)
[BruxZir.com](#)

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Recent Posts

[More Brawn and Improving Beauty: Anterior BruxZir Crowns](#)

Friday, October 28, 2011

[Gildewell Dental Lab Launches the BruxZir® Milling System](#)

Thursday, June 09, 2011

[Technical Update: Improved BruxZir Esthetics Thru Ultrasonic Cleaning](#)

Tuesday, May 31, 2011

[Gildewell Laboratories Launches Recycling Program for BruxZir Milling Blanks](#)

Friday, April 22, 2011

[Dr. Gordon Christensen on BruxZir® Solid Zirconia](#)

Thursday, March 24, 2011

[New Online BruxZir® Solid Zirconia Clinical Video](#)

Wednesday, February 23, 2011

[Gildewell Laboratories Announces Nanozirconia Technology Breakthrough](#)

Monday, February 14, 2011

[BruxZir Anterior Case](#)

Tuesday, February 01, 2011

[Hammer Test: BruxZir® vs PFM](#)

Thursday, December 23, 2010

More Brawn and Improving Beauty: Anterior BruxZir Crowns

When we launched **BruxZir Solid Zirconia** crowns & bridges in 2009, our intention was to provide a monolithic zirconia restoration indicated for bruxers and grinders as an esthetic alternative to posterior metal occlusal PFMs and full-cast metal restorations. The result was a material we said was "More Brawn than Beauty."

Now we like to say that BruxZir is "More Brawn *and* Improving Beauty," as our **Research and Development** team continues to refine our processes, improving the esthetics and the strength of the material. We invite you to view our most recent BruxZir Solid Zirconia anterior case below and see for yourself.

The BruxZir crowns were done on tooth #8 and #9.

Before



As you can see in the non-retracted before photo, the patient had two pre-existing high value PFM's. As I cut through them the copings appeared to be base metal. When you look at the condition of the gingiva in the before photo, was this possibly a base metal allergy? It helped with my decision to go with BruxZir all-ceramic (solid zirconia) crowns.

After



Calendar

November 2011						
Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Category Archives

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[Case Studies \(11\)](#)
[Clinical Techniques \(14\)](#)
[Lab Techniques \(7\)](#)
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Monthly Archives

2011

[October 2011 \(1\)](#)
[June 2011 \(1\)](#)
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[April 2011 \(1\)](#)
[March 2011 \(1\)](#)
[February 2011 \(3\)](#)

2010

BruxZir Twitter

BruxZir

Have a look at our newest blog post to see why we say BruxZir is "More Brawn and Improving Beauty" <http://t.co/XVUJ3Cb> #dental 2 days ago

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BRUXZIR TESTIMONIALS

Submit Your BruxZir Testimonial

Fill out the form below and tell us what you think of BruxZir Solid Zirconia crown and bridge restorations. Your comments may be posted on our Web site or used in future Glidewell marketing.

*** Required fields.**

* First Name:

* Last Name:

Company / Practice Name:

* City:

* State / Province:

* Email:

* Testimonial:

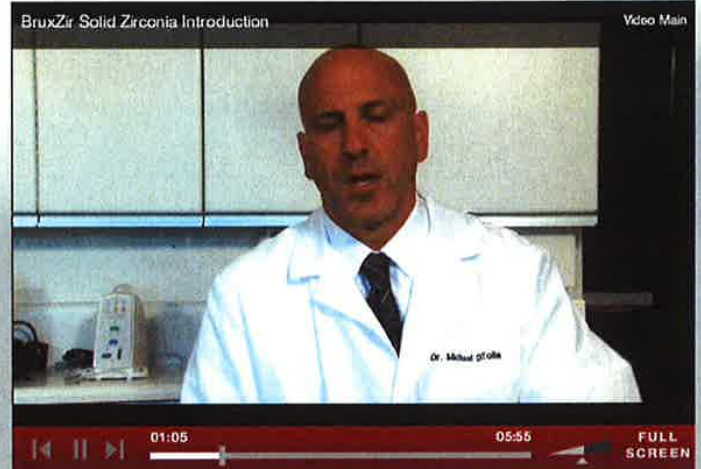
Security Check

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[Try another code](#)

* Enter Code:

SUBMIT



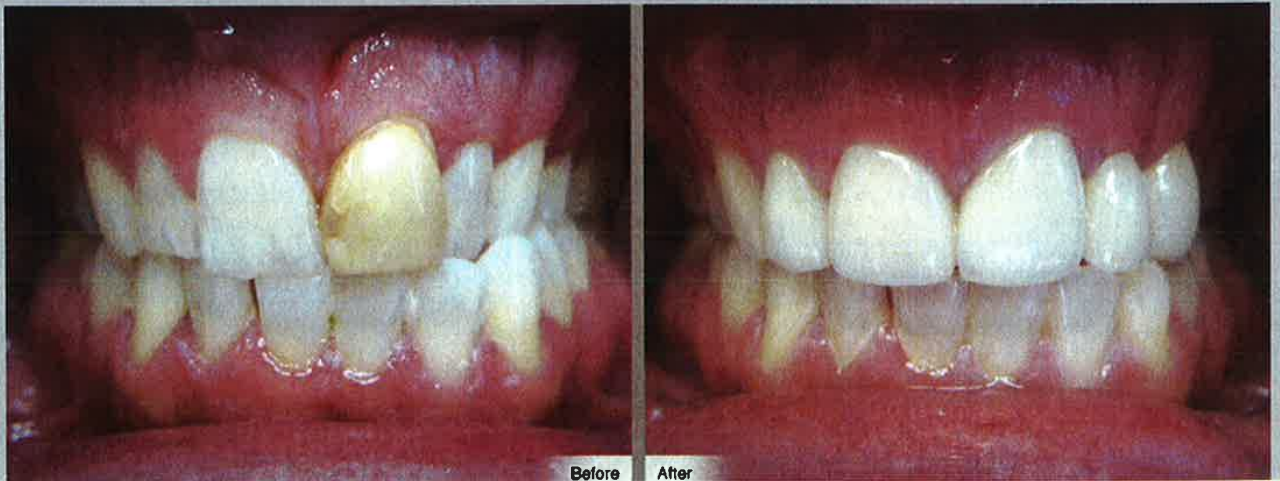
"I love the Bruxzir crown! I have been using these as my 'go to' crown of choice ever since Glidewell introduced it a few years ago. I am able to be conservative on my prep and still obtain superior strength... a win-win for me. Love the esthetic outcome too!"


- Roy Joseph, DDS, Sugar Land, TX

"That's all I do! No metal with gum recession. Perfect fit! And when gold is trading above \$1,600, it's time to change!"

- Ilya Benjamin, DMD, Henderson, NV

"This patient's anterior case came out great. I just wanted to share the before and after photos with you. BruxZir keeps surprising us."





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SCIENTIFIC VALIDATION

ZIRCONIA VS. PORCELAIN WEAR STUDY



Description: Although conventional belief might suggest that zirconia's high fracture strength and surface hardness would cause a greater degree of wear on enamel, a recent study found that the degree of wear on the opposing tooth was actually four times greater in dental porcelain than in polished, unglazed zirconia, suggesting that zirconia restorations are not only more fracture-resistant than porcelain restorations, but also gentler in their functional interaction with natural dentition.

[Download Full Study](#)

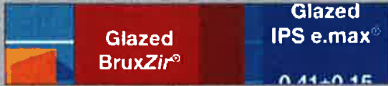
BRUXZIR® VS. CERAMCO®3 – A COMPARATIVE WEAR STUDY



Description: BruxZir Solid Zirconia and Ceramco3 were recently tested in a comparative wear study. Each material was tested using the Wiliytech Chewing Simulator, which simulated the clinical performance of the material over a period of five years. After 1.2 million wear cycles under a load of 5 kg, BruxZir compared favorably to Ceramco3 with barely detectable wear.

[View Image](#) | [Download Full Study](#)

BRUXZIR® VS. IPS E.MAX® ENAMEL WEAR TEST




Description: Some dentists are concerned about the wear of enamel when opposing BruxZir full-contour zirconia crowns and bridges. In a recent study¹ to measure the volumetric loss of enamel, glazed BruxZir was found to wear compatible with enamel and virtually identical to glazed IPS e.max.

1. Wear of Enamel on Polished and Glazed Zirconia: Shah S, Michelson C, Beck P, Ramp LC, Cakir D, Burgess J. 2010; Washington, DC: AADR. Abstract #129615.

[View Image](#) | [Download Full Study](#)

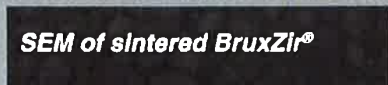
TRANSMISSION VS. WAVELENGTH GRAPH



Description: BruxZir exhibits higher light transmission resulting in a more natural shade value.

[View Image](#)

SCANNING ELECTRON MICROSCOPE IMAGES





Description: SEM of sintered colloidal processed BruxZir vs. sintered isostatically Pressed zirconia.

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BEFORE & AFTER CASE GALLERY




Before After








CASE 4: This patient fractured a porcelain all-ceramic crown on the second molar and chipped the first molar. Both crowns were replaced with BruxZir.

Clinical Dentistry by Michael DiTolla, DDS, FAGD

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BRUXZIR VIDEO GALLERY




Replacing PFM Crowns On Teeth 8 & 9 with BruxZir Solid Zirconia Crowns
Running Time - 19:45




BruxZir Clinical Indications & Scientific Validation
Running Time - 65:07




Adjusting & Polishing BruxZir Crowns
Running Time - 17:30




Removing a BruxZir Crown
Running Time - 4:31



Hammer Test: BruxZir vs. PFM
Running Time - 1:10




BruxZir Solid Zirconia Full Arch Bridge
Running Time - 14:34



Anterior Bridge Replacement with BruxZir Utilizing the IOS FastScan
Running Time - 14:01

Replacing PFM Crowns On Teeth 8 & 9 with BruxZir Solid Zirconia Crowns



Before

After

18:52 19:45 FULL SCREEN

Clinical Video Downloads (HD indicates High Definition video)

Replacing PFM Crowns On Teeth 8 & 9 with BruxZir® Solid Zirconia Crowns - [HD Quicktime Download \(Right Click\)](#)

BruxZir Clinical Indications & Scientific Validation - [HD Quicktime Download \(Right Click\)](#)


Hammer Test: BruxZir vs. PFM - [HD Quicktime Download \(Right Click\)](#)

BruxZir Solid Zirconia Full-Arch Bridge - [HD Quicktime Download \(Right Click\)](#)


Anterior Bridge Replacement with BruxZir Utilizing the IOS FastScan - [HD Quicktime Download \(Right Click\)](#)






Introduction to BruxZir Solid Zirconia - [HD Quicktime Download \(Right Click\)](#)

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

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BRUXZIR VIDEO GALLERY




Replacing PFM Crowns On Teeth 8 & 9 with BruxZir Solid Zirconia Crowns
Running Time - 18:45




BruxZir Clinical Indications & Scientific Validation
Running Time - 55:57




Adjusting & Polishing BruxZir Crowns
Running Time - 17:50




Removing a BruxZir Crown
Running Time - 4:51



Hammer Test: BruxZir vs. PFM
Running Time - 1:10




BruxZir Solid Zirconia Full Arch Bridge
Running Time - 14:54



Anterior Bridge Replacement with BruxZir Utilizing the IOS FastScan
Running Time - 14:01

Replacing PFM Crowns On Teeth 8 & 9 with BruxZir Solid Zirconia Crowns



Before

After

18:42 19:45 FULL SCREEN

Clinical Video Downloads (HD Indicates High Definition video)

Replacing PFM Crowns On Teeth 8 & 9 with BruxZir® Solid Zirconia Crowns - [HD Quicktime Download \(Right Click\)](#)

BruxZir Clinical Indications & Scientific Validation - [HD Quicktime Download \(Right Click\)](#)


Hammer Test: BruxZir vs. PFM - [HD Quicktime Download \(Right Click\)](#)

BruxZir Solid Zirconia Full-Arch Bridge - [HD Quicktime Download \(Right Click\)](#)








Anterior Bridge Replacement with BruxZir Utilizing the IOS FastScan - [HD Quicktime Download \(Right Click\)](#)

Introduction to BruxZir Solid Zirconia - [HD Quicktime Download \(Right Click\)](#)

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http://www.bruxzir.com/video-bruxzir-zirconia-dental-crown/index.aspx

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BRUXZIR VIDEO GALLERY

Replacing PFM Crowns On Teeth 8 & 9 with BruxZir Solid Zirconia Crowns
Running Time - 19:45

BruxZir Clinical Indications & Scientific Validation
Running Time - 65:07

Adjusting & Polishing BruxZir Crowns
Running Time - 17:20

Removing a BruxZir Crown
Running Time - 4:31

Hammer Test: BruxZir vs. PFM
Running Time - 1:10

BruxZir Solid Zirconia Full Arch Bridge
Running Time - 14:24

Anterior Bridge Replacement with BruxZir Utilizing the IOS FastScan
Running Time - 14:01

Replacing PFM Crowns On Teeth 8 & 9 with BruxZir Solid Zirconia Crowns

Before

After

18:31 19:45 FULL SCREEN

Clinical Video Downloads (HD indicates High Definition video)

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